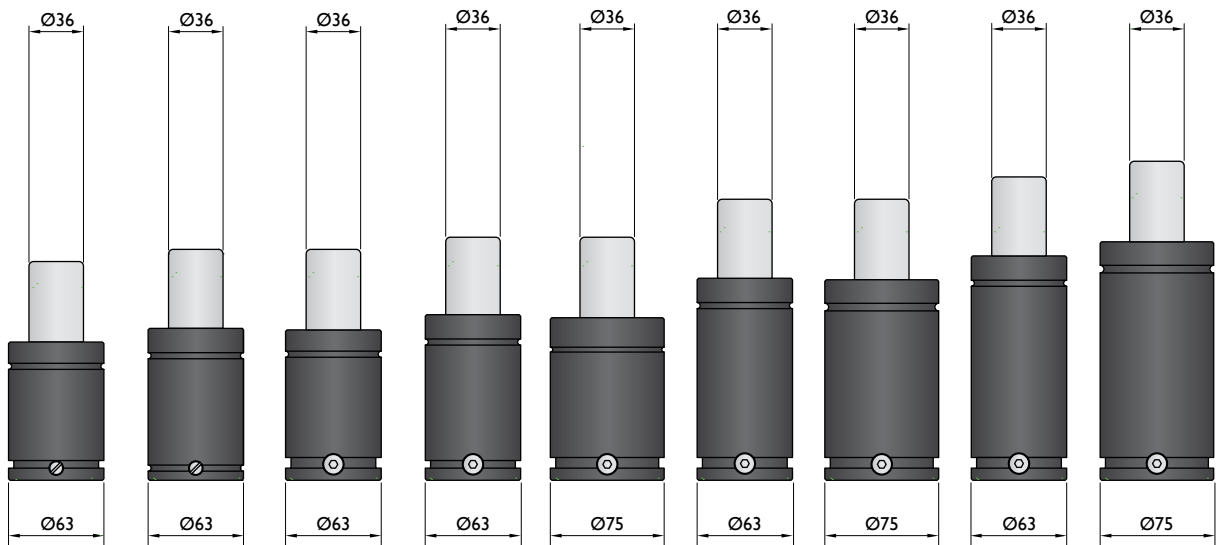
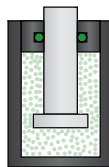


Force 1500 daN

Piston Rod Sealed
gas springs



Model	KP-1500	KC-1500	NR-1500	K-1500	KH-1500	M-1500	HG-1500	HD-1500	G-1500
Initial F (daN)	1500	1500	1500	1500	1500	1500	1500	1500	1500
L max (mm)	2xStroke+44	2xStroke+52	2xStroke+52	2xStroke+60	2xStroke+60	2xStroke+85	2xStroke+85	2xStroke+95	2xStroke+110
Stroke (mm)	13-125	12-125	13-125	12-125	25-125	25-160	25-200	25-300	25-300

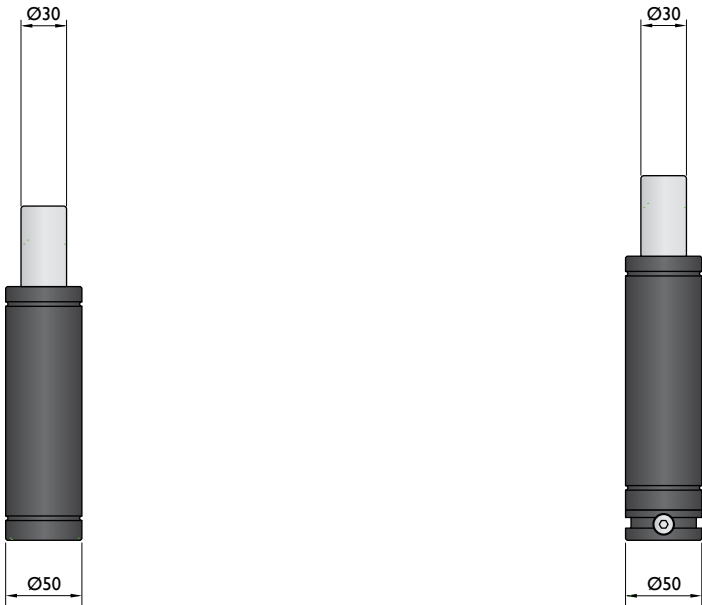
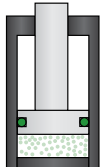
* other strokes under request

Standards

PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901	ISO 11901
VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700

Force 1500 daN

Bore Sealed
gas springs



Model	TS-1800	TSC-1800
Initial F (daN)	1800	1800
L max (mm)	66-271	86-291
Stroke (mm)	6-65	6-65

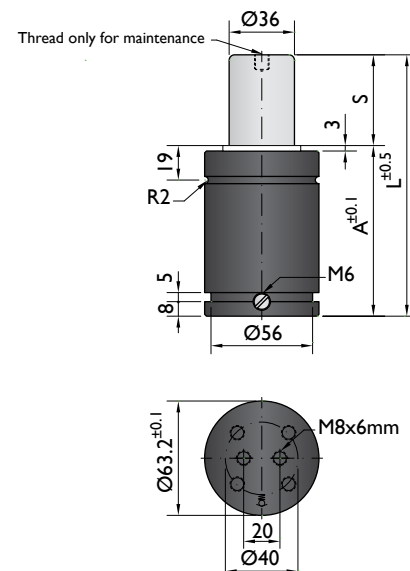
* other strokes under request

Standards

PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901
VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700



*The new cylinder will be supplied when the stock runs out.



Ordering example: 4 x KP-I500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
KP-I500-13	13	70	57	1500	2200	No	0.94
KP-I500-16	16	76	60		2200	No	1.01
KP-I500-19	19	82	63		2200	No	1.06
KP-I500-25	25	94	69		2200	No	1.16
KP-I500-32	32	108	76		2300	No	1.27
KP-I500-38	38	120	82		2300	No	1.37
KP-I500-50	50	144	94		2400	No	1.57
KP-I500-63	63	170	107		2400	No	1.78
KP-I500-75	75	194	119		2400	No	1.98
KP-I500-80	80	204	124		2400	No	2.06
KP-I500-100	100	244	144		2400	No	2.37
KP-I500-125	125	294	169		2400	No	2.80

⁽¹⁾ other strokes under request

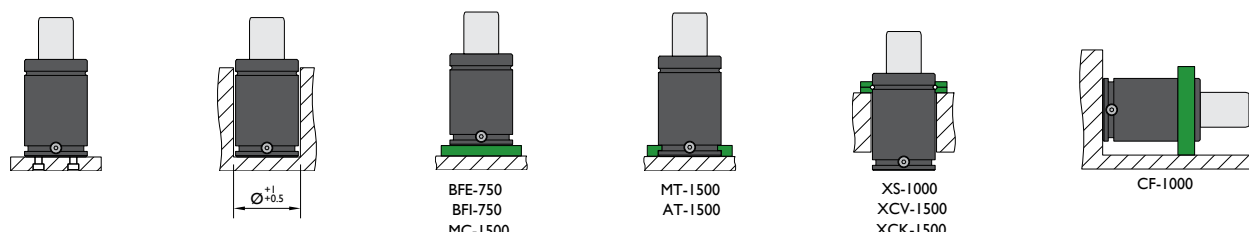
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KP-I500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

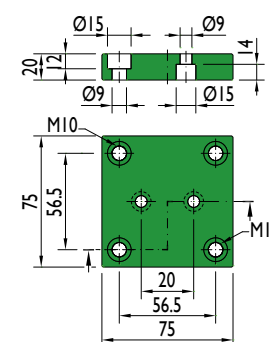
Mounting possibilities



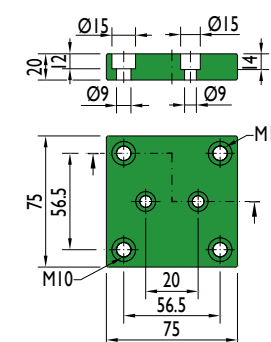
Flange must not support spring's force

Flanges

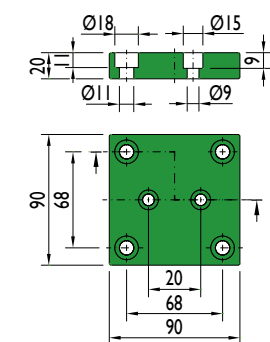
BFE-750



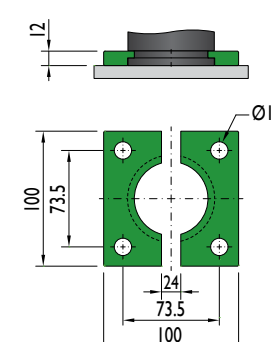
BFI-750



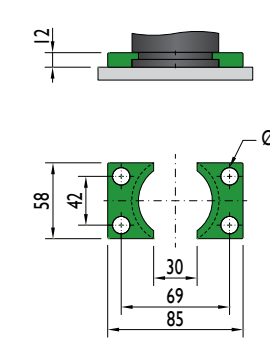
MC-1500



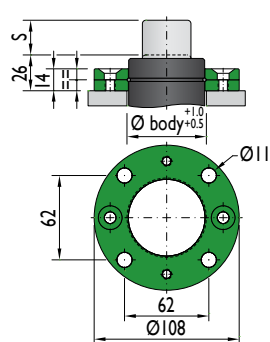
MT-1500



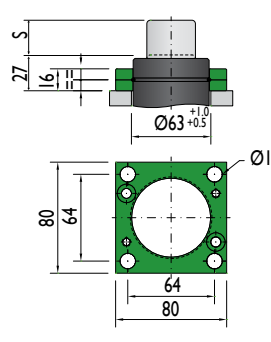
AT-1500



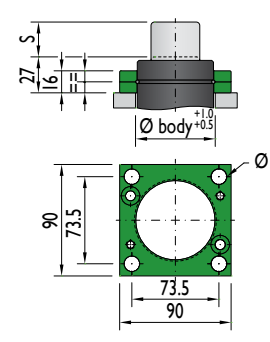
XS-1000



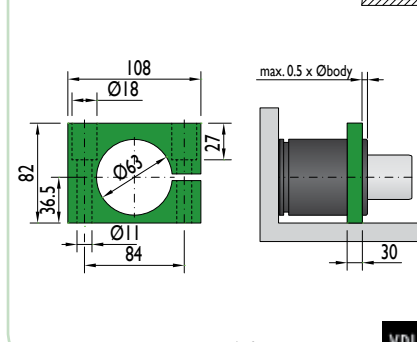
XCV-1500



XCK-1500



CF-1000

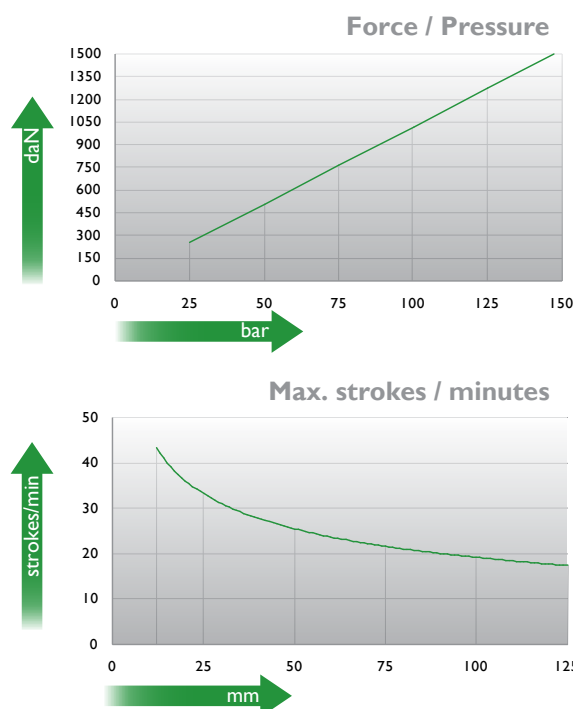
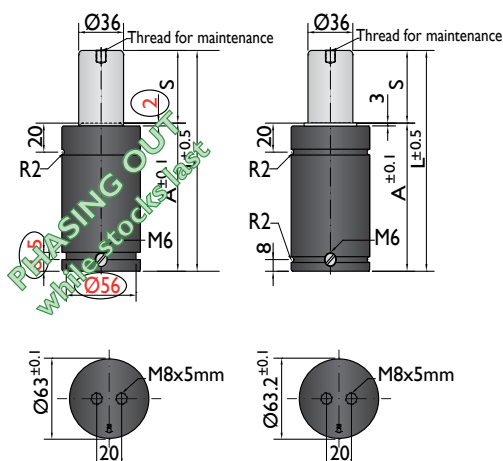


Flange must not support spring's force



*The new cylinder will be supplied when the stock runs out.

NEW MODEL*



Ordering example: 4 x KC-1500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
KC-1500-12	12	76	64	1500	1800	No	1.02
KC-1500-25	25	102	77		2400	No	1.24
KC-1500-38	38	128	90		2500	No	1.45
KC-1500-50	50	152	102		2600	No	1.65
KC-1500-63	63	178	115		2700	No	1.86
KC-1500-80	80	212	132		2700	No	2.14
KC-1500-100	100	252	152		2700	No	2.45
KC-1500-125	125	302	177		2700	No	2.88

⁽¹⁾ other strokes under request

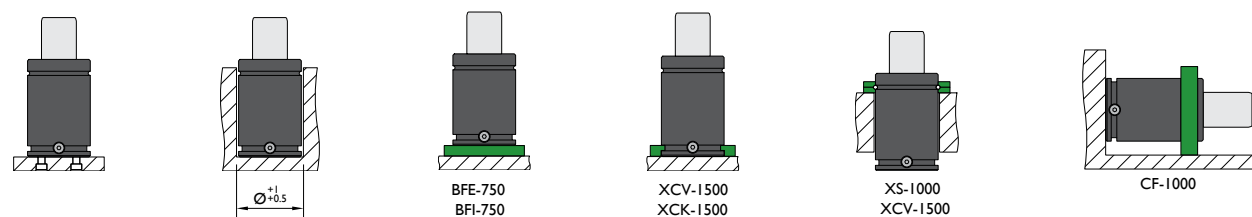
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KC-1500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

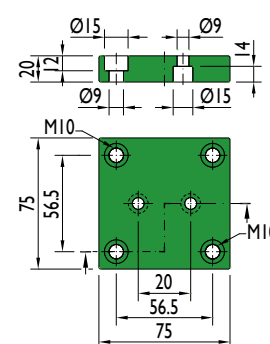
Mounting possibilities



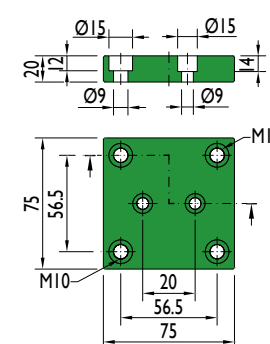
Flange must not support spring's force

Flanges

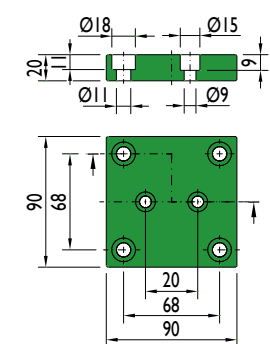
BFE-750



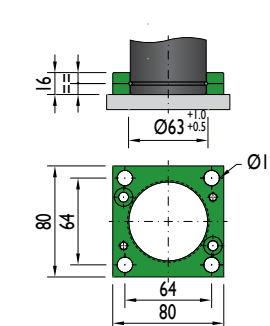
BFI-750



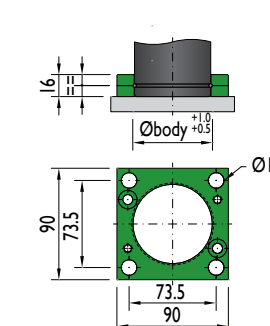
MC-1500



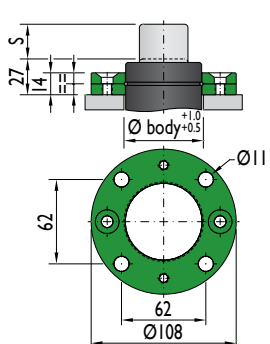
XCV-1500



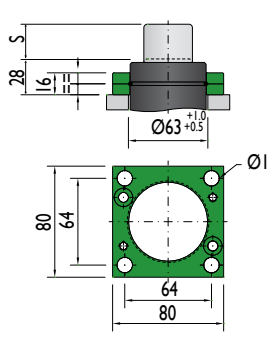
XCK-1500



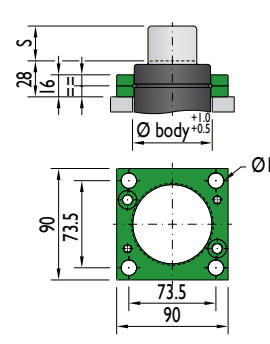
XS-1000



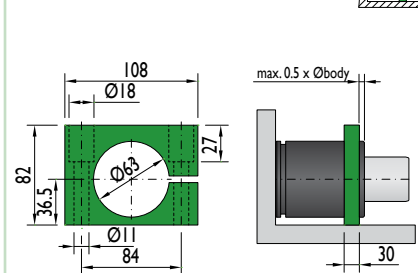
XCV-1500



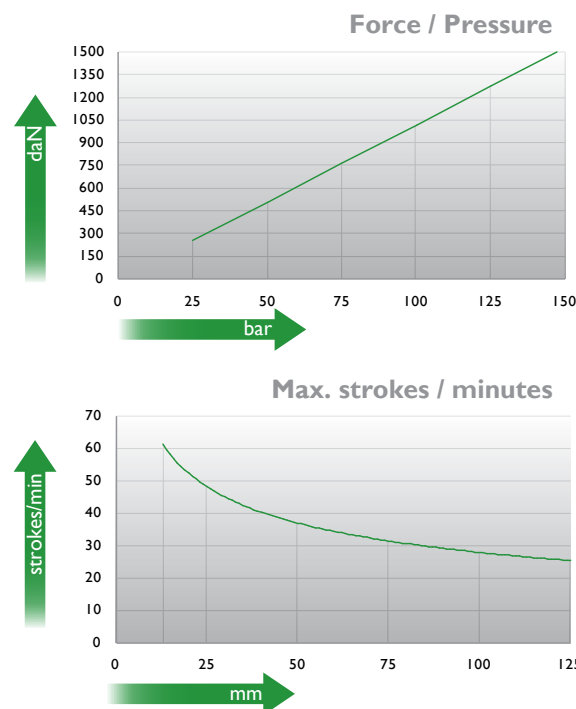
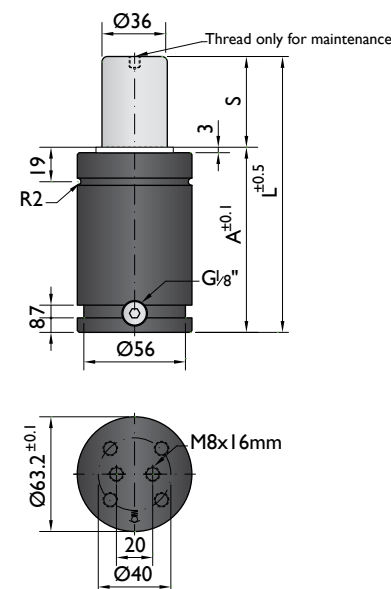
XCK-1500



CF-1000



Flange must not support spring's force



Ordering example: 4 x NR-I500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
NR-I500-13	13	78	65	1500	2100	No	0.97
NR-I500-16	16	84	68		2200	No	1.04
NR-I500-19	19	90	71		2200	No	1.09
NR-I500-25	25	102	77		2200	No	1.09
NR-I500-32	32	116	84		2300	No	1.30
NR-I500-38	38	128	90		2300	No	1.40
NR-I500-50	50	152	102		2400	No	1.60
NR-I500-63	63	178	115		2400	No	1.81
NR-I500-75	75	202	127		2400	No	2.01
NR-I500-80	80	212	132		2400	No	2.09
NR-I500-100	100	252	152		2400	No	2.40
NR-I500-125	125	302	177		2400	No	2.83

⁽¹⁾ other strokes under request

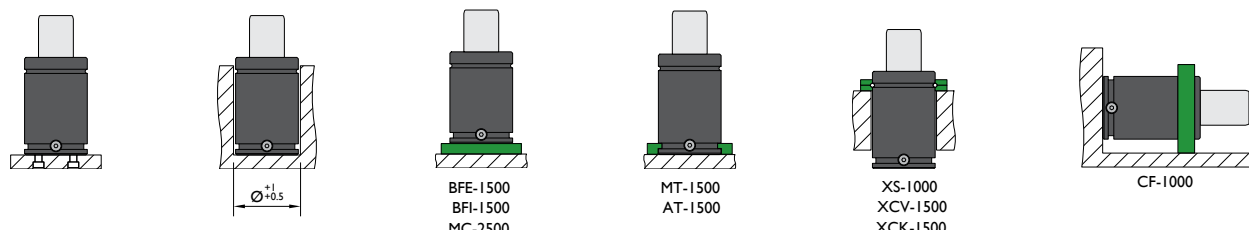
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT NR-I500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

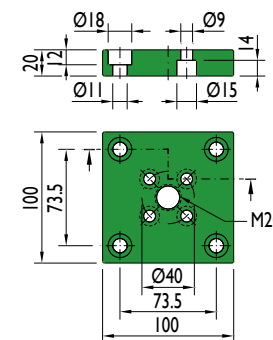
Mounting possibilities



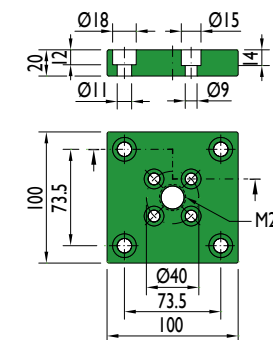
Flange must not support spring's force

Flanges

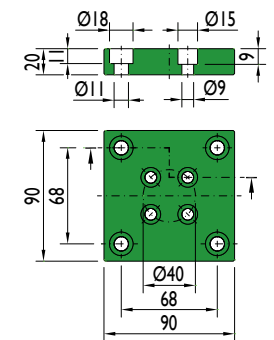
BFE-I 500



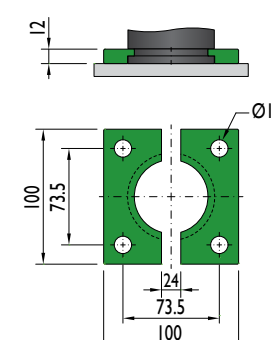
BFI-I 500



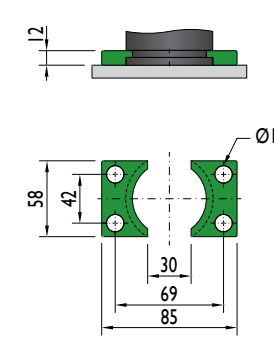
MC-2500



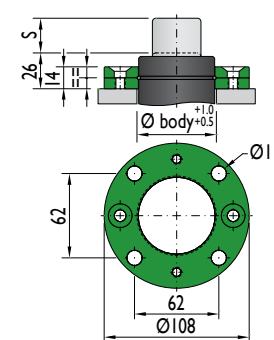
MT-1500



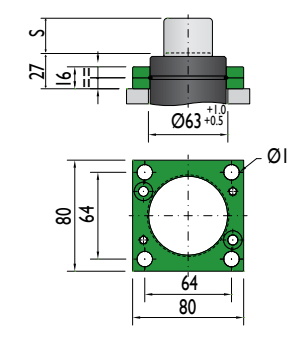
AT-1500



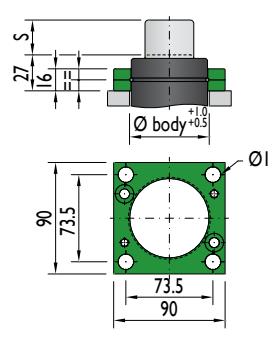
XS-1000



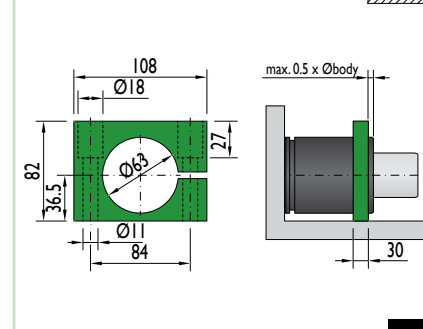
XCV-1500



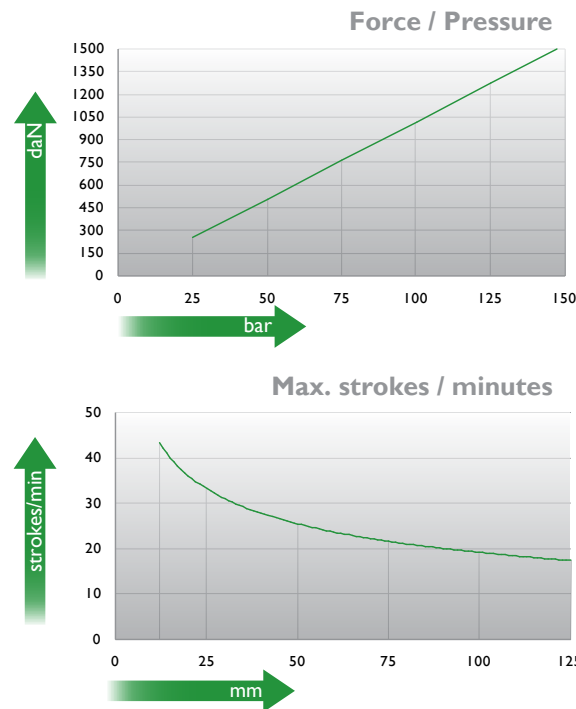
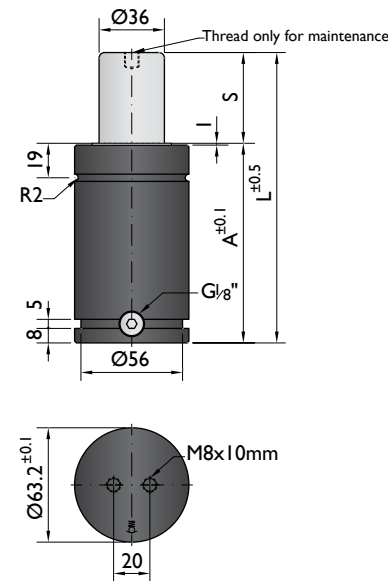
XCK-1500



CF-1000



Flange must not support spring's force



Ordering example: 4 x K-I500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	(3)	kg
				(20°C, 150 bar)			
K-I500-12	12	84	72	1500	2100	No	1.32
K-I500-25	25	110	85		2300	No	1.49
K-I500-38	38	136	98		2500	No	1.60
K-I500-50	50	160	110		2600	No	1.85
K-I500-63	63	186	123		2600	No	2.01
K-I500-80	80	220	140		2600	No	2.27
K-I500-100	100	260	160		2600	No	2.60
K-I500-125	125	310	185		2600	No	3.04

other strokes under request

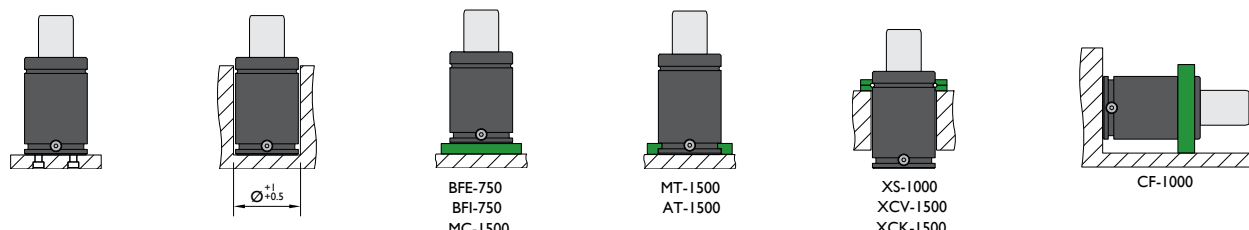
alternative forces upon request

ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT K-I500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

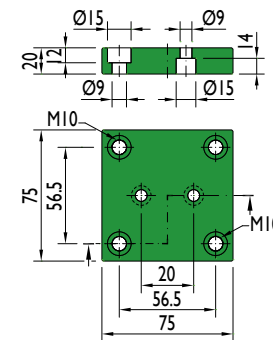
Mounting possibilities



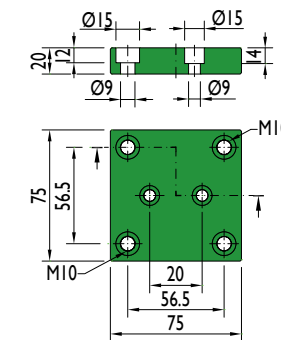
Flange must not support spring's force

Flanges

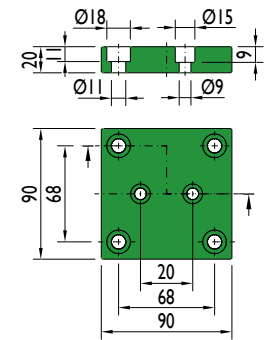
BFE-750



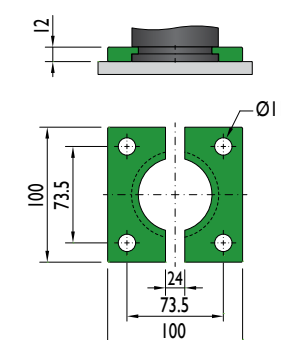
BFI-750



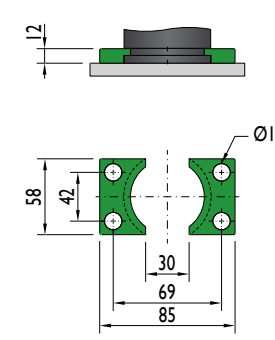
MC-1500



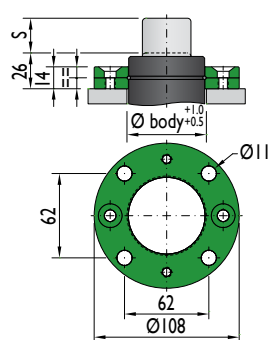
MT-1500



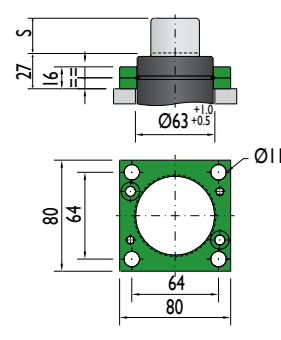
AT-1500



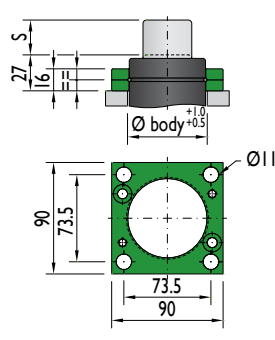
XS-1000



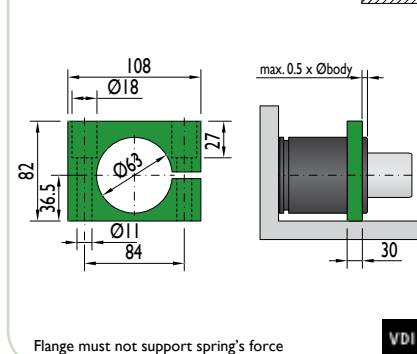
XCV-1500



XCK-1500



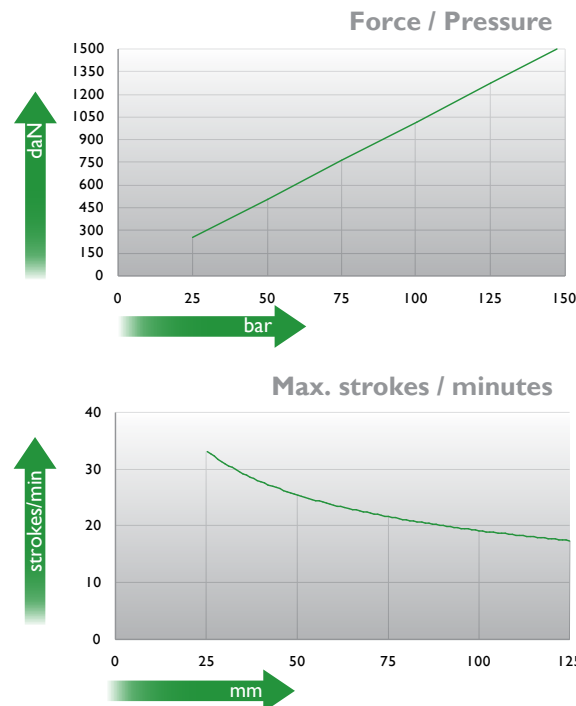
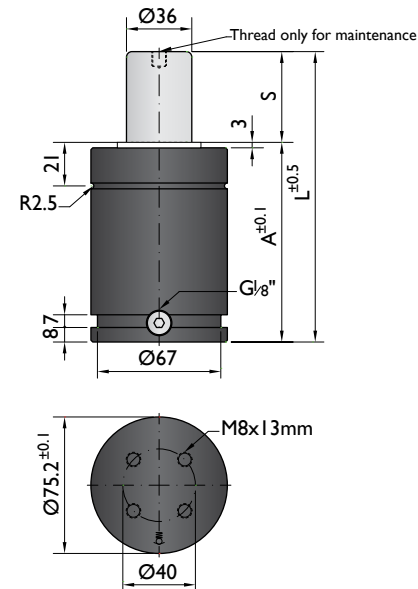
CF-1000



Flange must not support spring's force



CNOMO
EM24.54.700



Ordering example: 4 x KH-1500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
KH-1500-25	25	110	85		2100	No	2.08
KH-1500-38	38.1	136.2	98.1		2200	No	2.33
KH-1500-50	50	160	110		2300	No	2.50
KH-1500-63	63.5	187	123.5	1500	2300	No	2.73
KH-1500-80	80	220	140		2300	No	3.04
KH-1500-100	100	260	160		2300	No	3.60
KH-1500-125	125	310	185		2300	No	4.75

other strokes ⁽¹⁾ under request

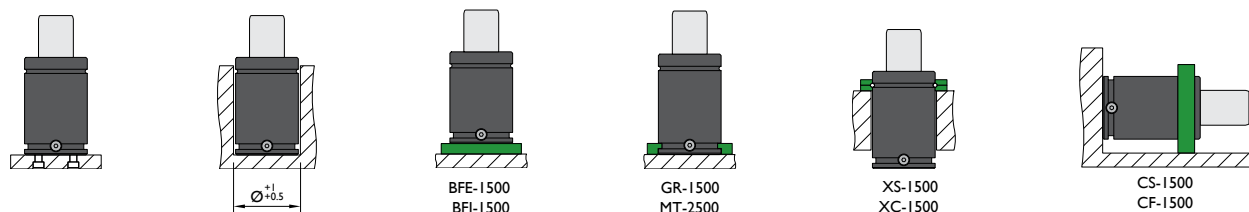
alternative forces upon request ⁽²⁾

ESK available for other strokes ⁽³⁾



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KH-1500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

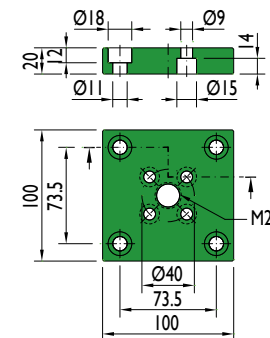
Mounting possibilities



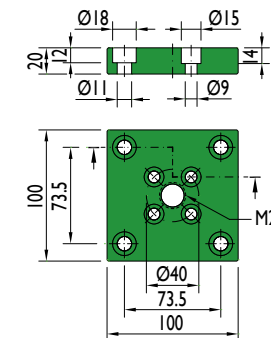
Flange must not support spring's force

Flanges

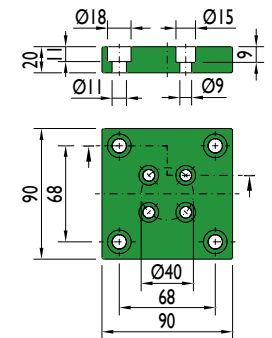
BFE-1500



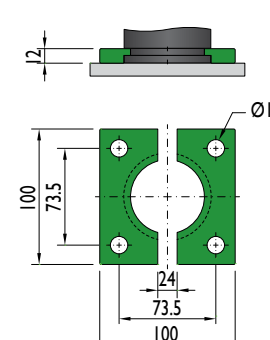
BFI-1500



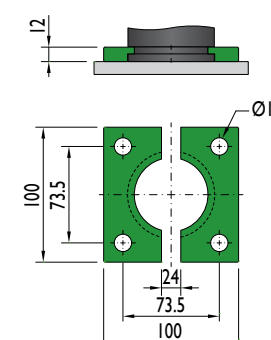
MC-2500



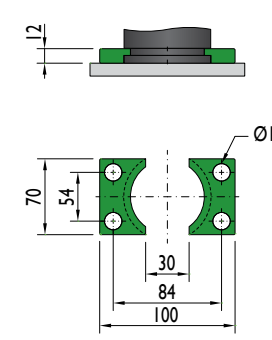
GR-1500



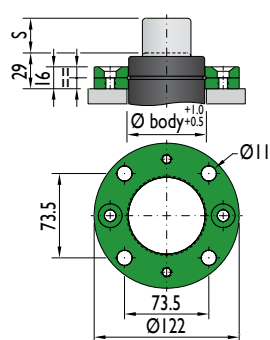
MT-2500



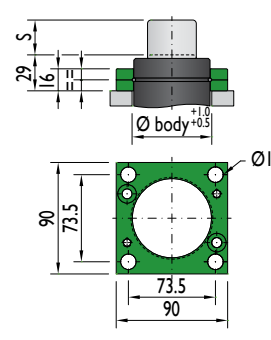
AR-1500



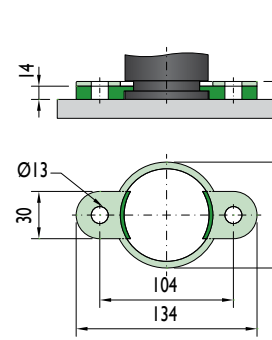
XS-1500



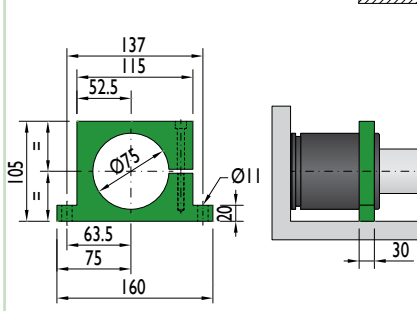
XC-1500



PR-1500

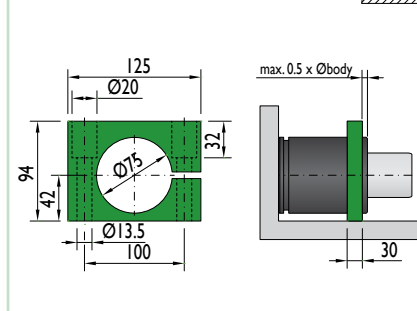


CS-1500

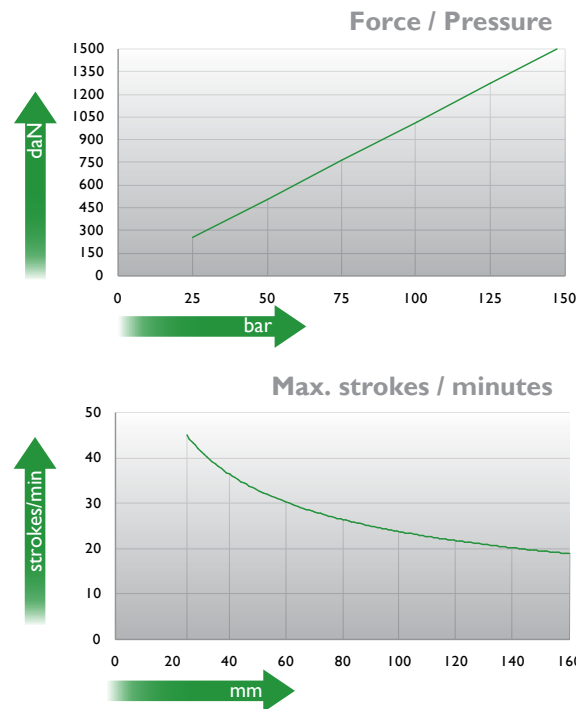
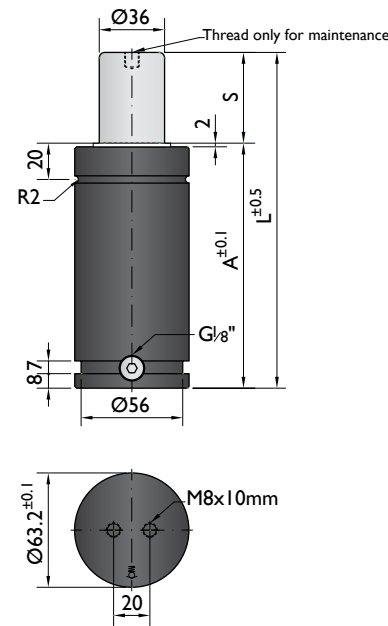


Flange must not support spring's force

CF-1500



Flange must not support spring's force



Ordering example: 4 x M-I500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
M-I500-25	25	135	110	1500	2200	No	1.88
M-I500-38	38	161	123		2400	No	2.15
M-I500-50	50	185	135		2400	No	2.25
M-I500-63	63	211	148		2500	No	2.50
M-I500-80	80	245	165		2500	No	2.58
M-I500-100	100	285	185		2500	No	2.85
M-I500-125	125	345	220		2500	No	3.32
M-I500-160	160	415	255		2500	No	3.77

⁽¹⁾ other strokes under request

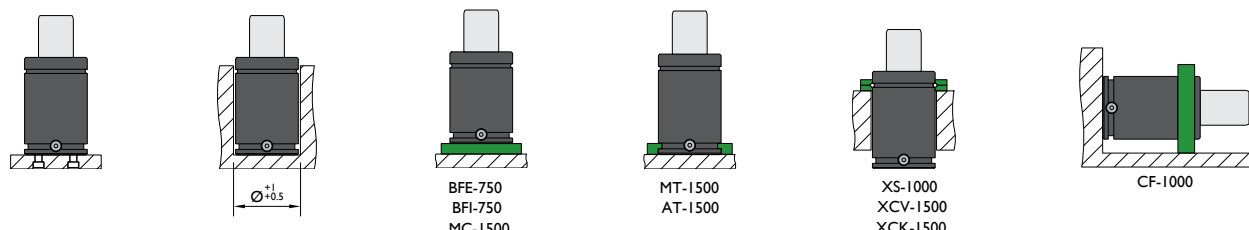
⁽²⁾ alternative forces upon request

⁽³⁾ ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT M-I500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

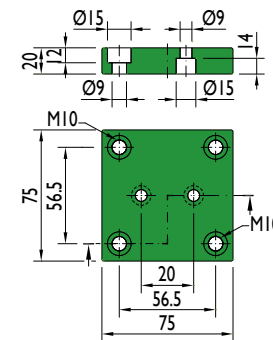
Mounting possibilities



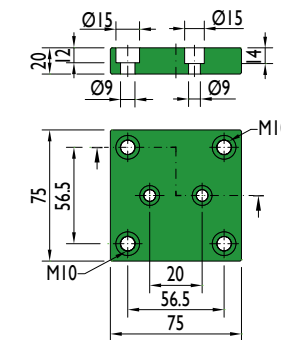
Flange must not support spring's force

Flanges

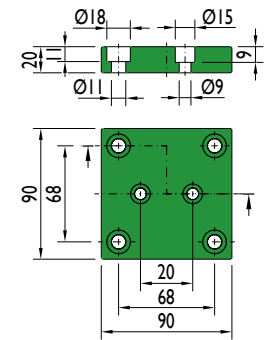
BFE-750



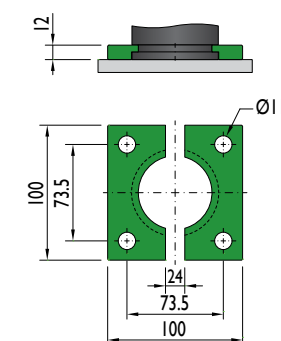
BFI-750



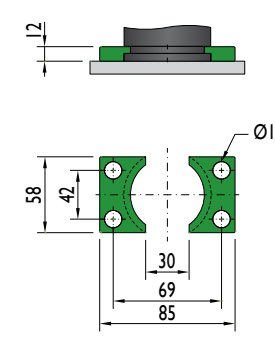
MC-1500



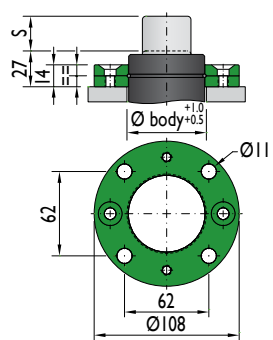
MT-1500



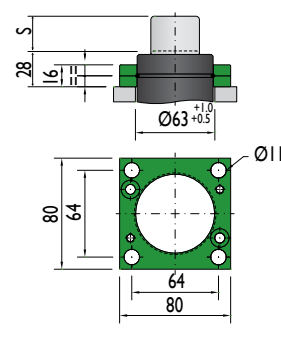
AT-1500



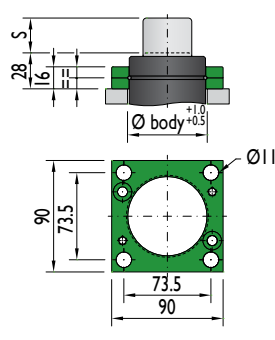
XS-1000



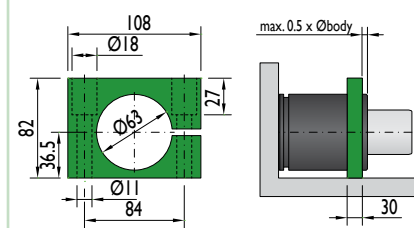
XCV-1500



XCK-1500

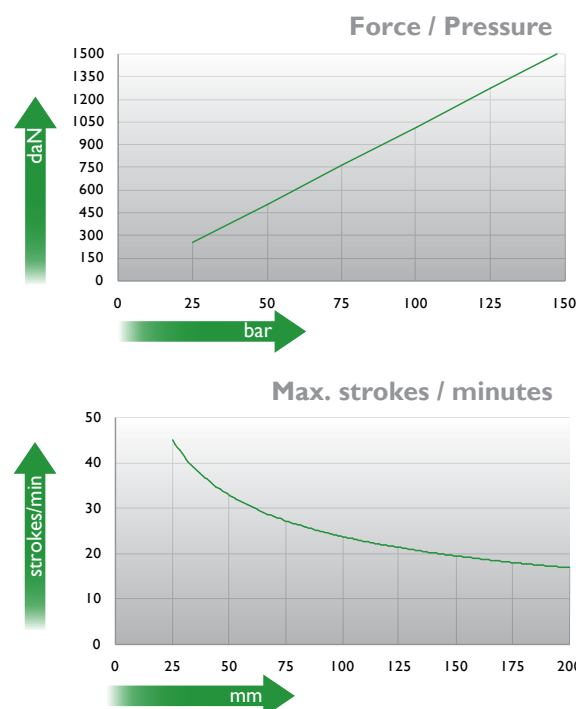
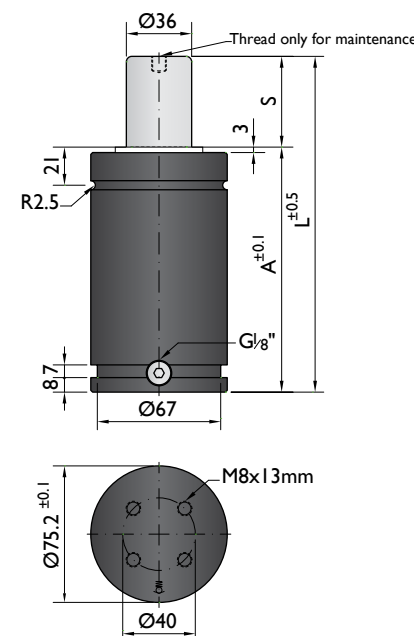


CF-1000



Flange must not support spring's force

Special mounts available on
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Ordering example: 4 x HG-1500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	⁽³⁾	kg
HG-1500-25	25	135	110	1500	1900	No	2.95
HG-1500-38	37.5	160	122.5		2000	No	3.18
HG-1500-50	50	185	135		2000	No	3.41
HG-1500-63	62.5	210	147.5		2000	No	3.64
HG-1500-80	80	245	165		2100	No	3.95
HG-1500-100	100	285	185		2100	No	4.33
HG-1500-125	125	335	210		2100	No	4.78
HG-1500-160	160	405	245		2200	No	5.43
HG-1500-200	200	485	285		2200	No	6.15

other strokes under request

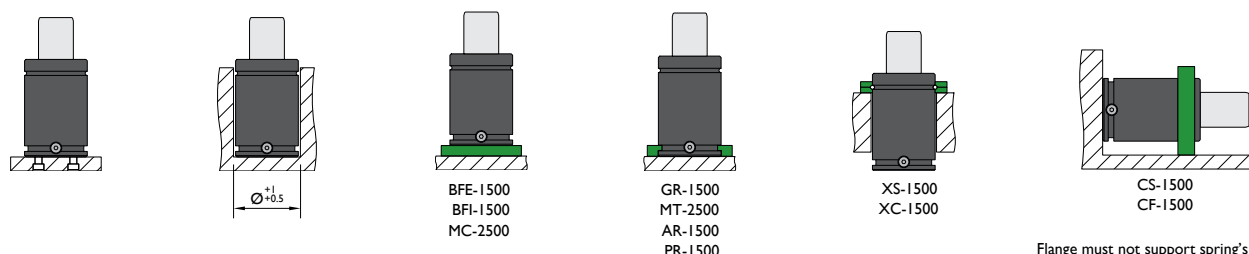
alternative forces upon request

ESK available for other strokes



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT HG-1500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

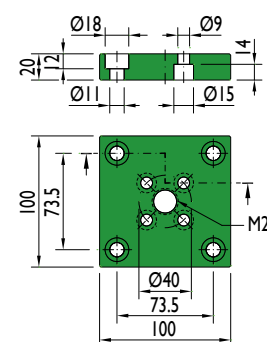
Mounting possibilities



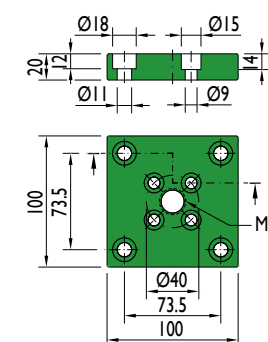
Flange must not support spring's force

Flanges

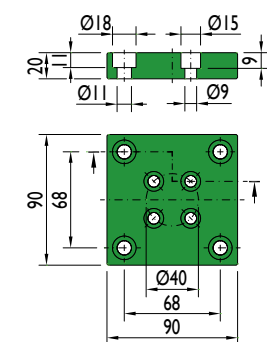
BFE-1500



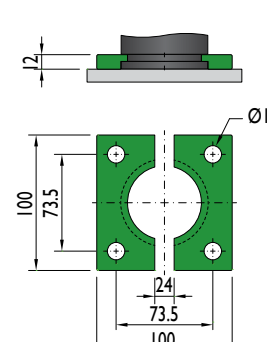
BFI-1500



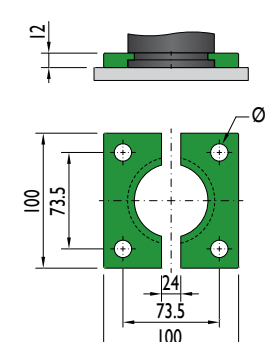
MC-2500



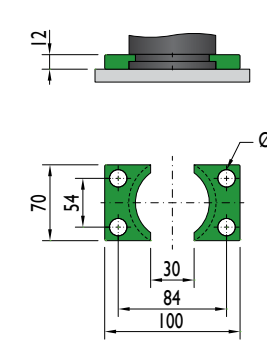
GR-1500



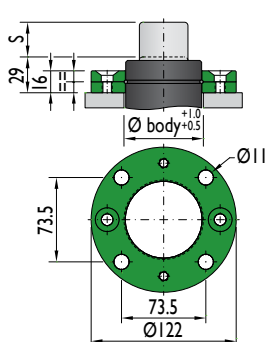
MT-2500



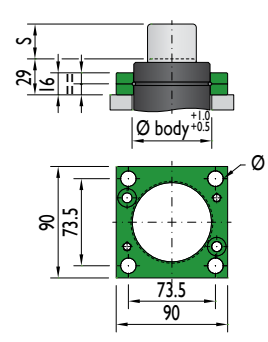
AR-1500



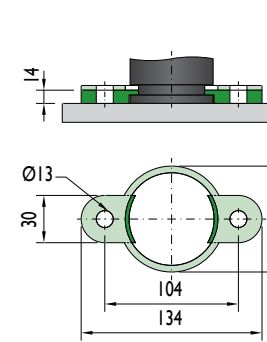
XS-1500



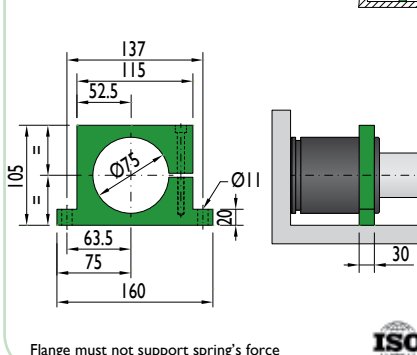
XC-1500



PR-1500

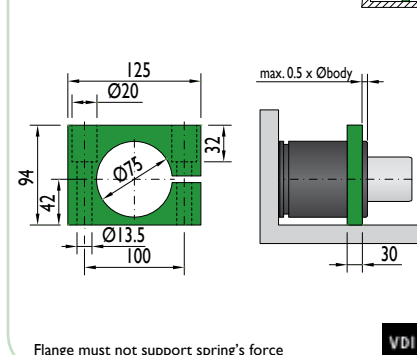


CS-1500

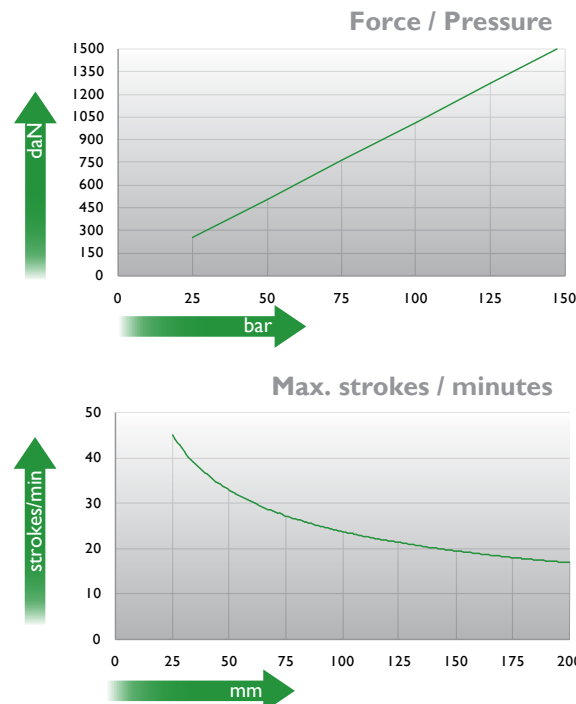
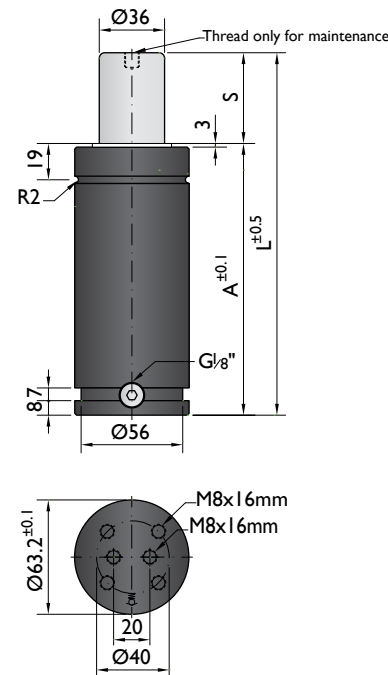


Flange must not support spring's force

CF-1500



Flange must not support spring's force



Ordering example: 4 x HD-1500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
HD-1500-25	25	145	120	1500	2000	1.89
HD-1500-38	38	171	133		2000	2.16
HD-1500-50	50	195	145		2100	2.26
HD-1500-63	63	221	158		2200	2.51
HD-1500-80	80	255	175		2300	2.59
HD-1500-100	100	295	195		2300	2.86
HD-1500-125	125	345	220		2400	3.33
HD-1500-160	160	415	255		2400	3.78
HD-1500-200	200	495	295		2400	4.23
HD-1500-250	250	595	345		2500	4.80
HD-1500-300	300	695	395		2500	5.38

other strokes ⁽¹⁾ under request

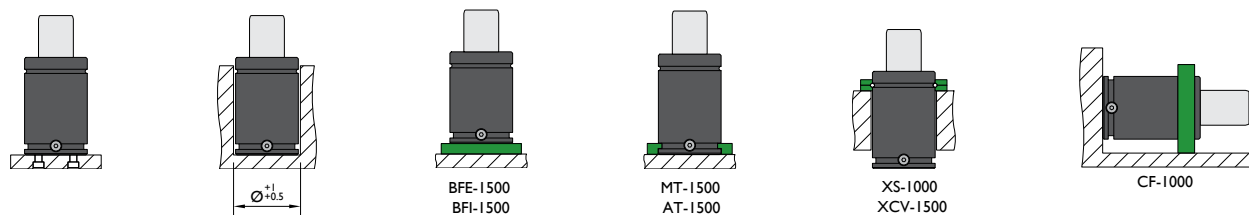
alternative forces ⁽²⁾ upon request

ESK available for other strokes ⁽³⁾



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT HD-1500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

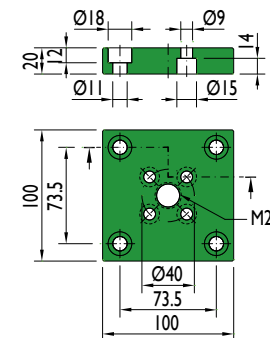
Mounting possibilities



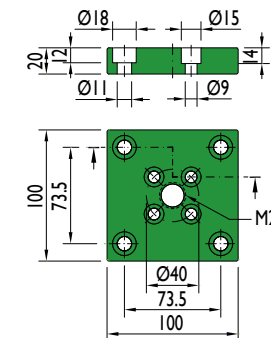
Flange must not support spring's force

Flanges

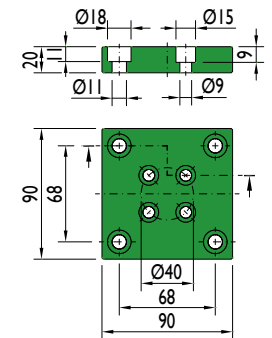
BFE-1500



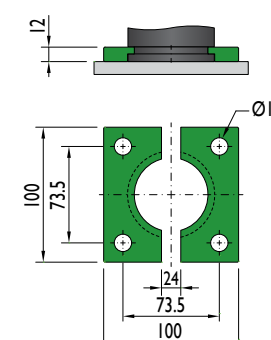
BFI-1500



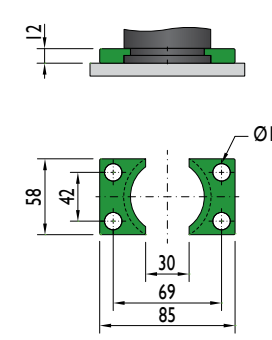
MC-2500



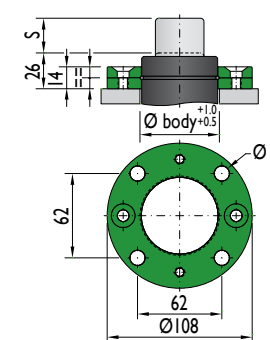
MT-1500



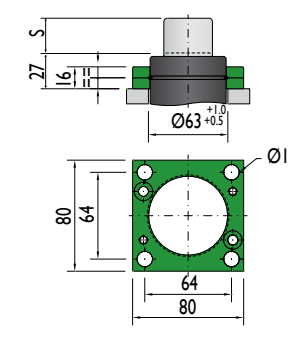
AT-1500



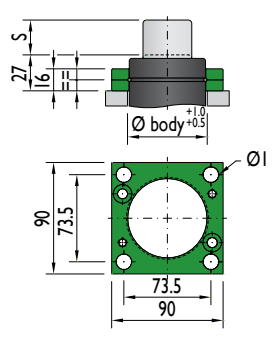
XS-1000



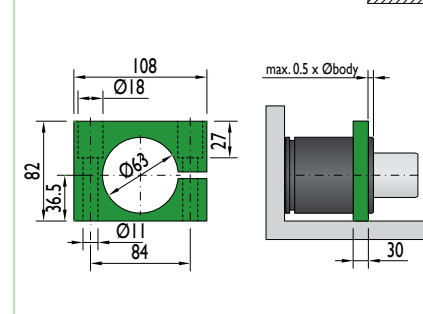
XCV-1500



XCK-1500



CF-1000

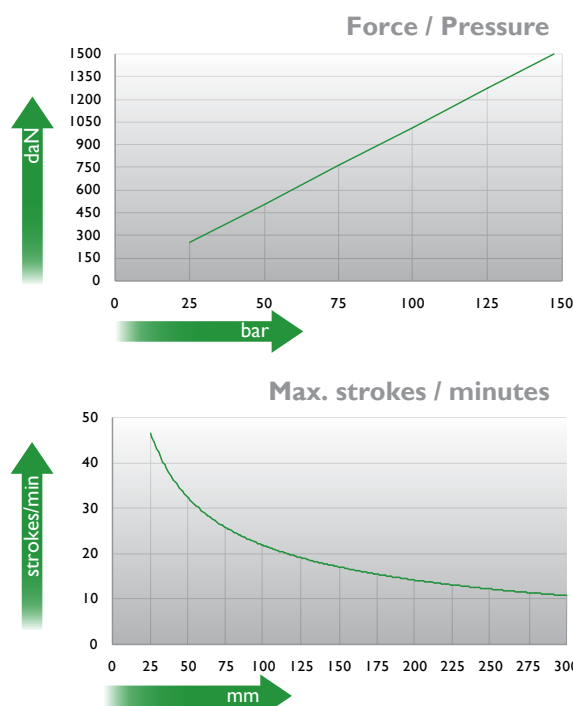
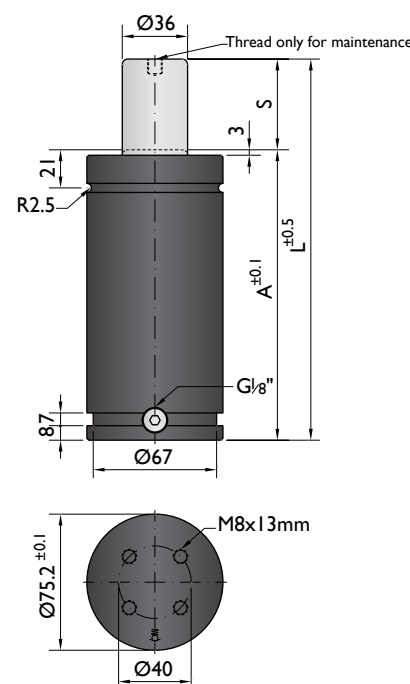


Flange must not support spring's force



CNOMO
EM24.54.700

PSA
E24.54.815.G



Ordering example: 4 x G-I500-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
G-I500-25	25	160	135	1800	No	3.48
G-I500-38	38.1	186.2	148.1	1900	No	3.71
G-I500-50	50	210	160	2000	No	4.05
G-I500-63	63.5	237	173.5	2000	No	4.28
G-I500-80	80	270	190	2000	No	4.37
G-I500-100	100	310	210	2000	No	4.44
G-I500-125	125	360	235	2100	No	4.87
G-I500-160	160	430	270	2100	No	5.29
G-I500-200	200	510	310	2100	No	6.75
G-I500-250	250	610	360	2100	No	7.62
G-I500-300	300	710	410	2100	No	8.48

other strokes under request

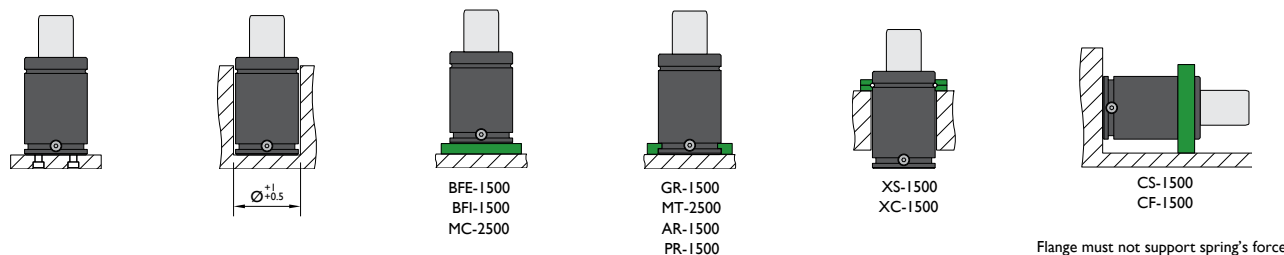
alternative forces upon request

ESK available for other strokes



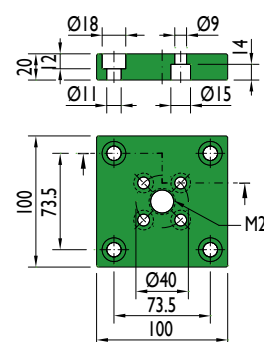
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT G-I500
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	G1/8"

Mounting possibilities

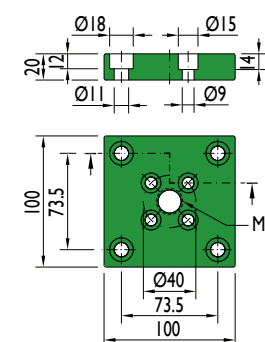


Flanges

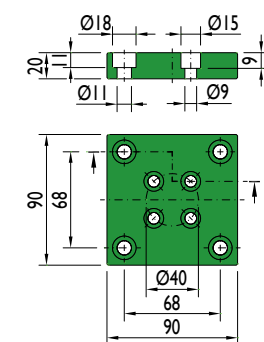
BFE-I500



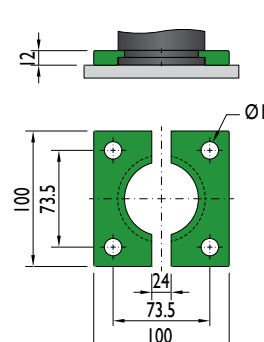
BFI-I500



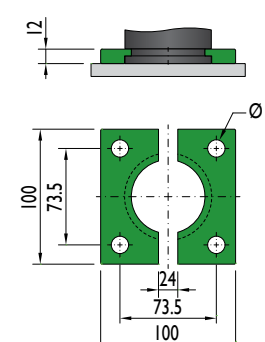
MC-2500



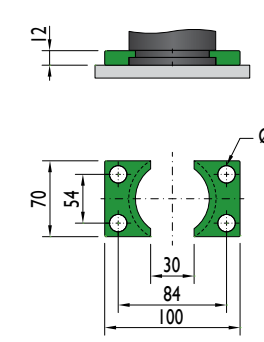
GR-I500



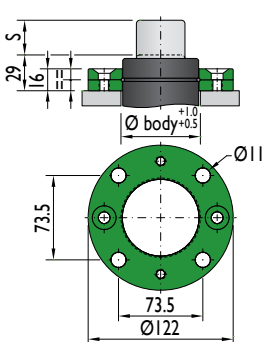
MT-2500



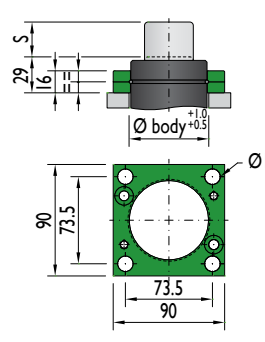
AR-I500



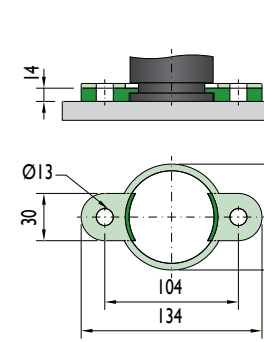
XS-I500



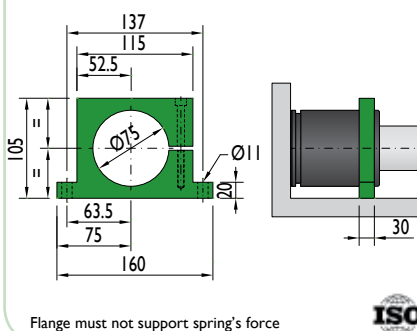
XC-I500



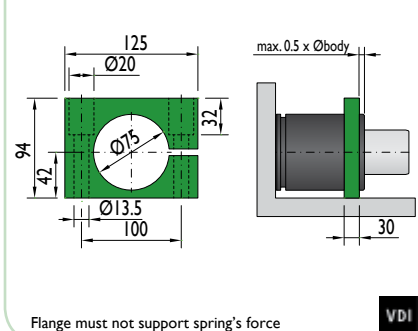
PR-I500



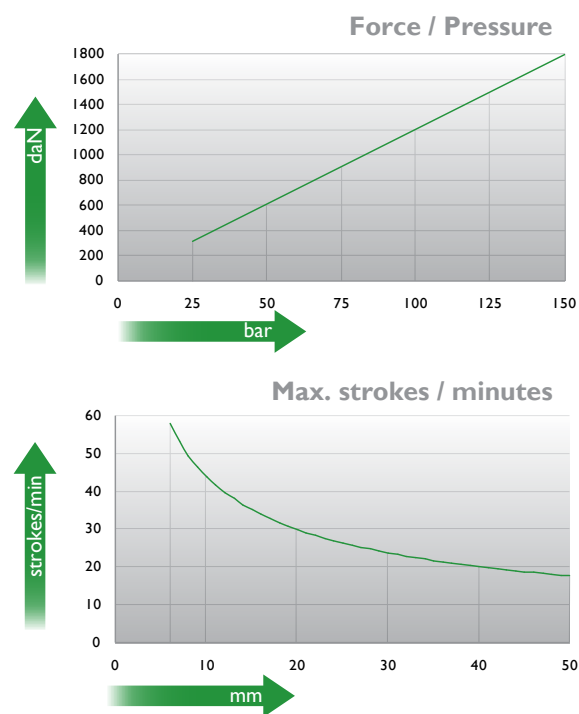
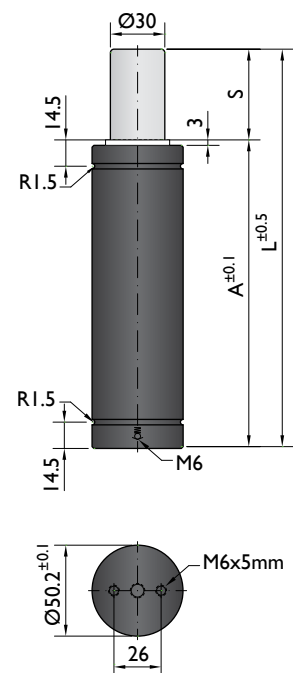
CS-I500



CF-I500



Special mounts available on
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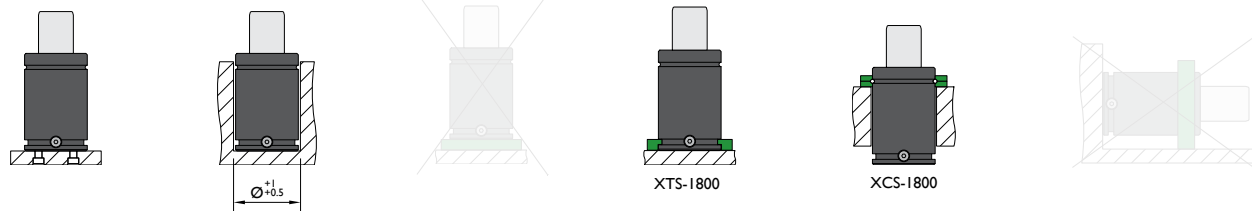
Ordering example: 4 x TS-I800-65

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	⁽³⁾	kg
(20°C, 150 bar)							
TS-I800-6	6	66	60	1800	2400	No	0.63
TS-I800-10	10	80	70		2700	No	0.74
TS-I800-16	16	106	90		2700	No	0.89
TS-I800-25	25	135	110		2700	No	1.00
TS-I800-32	32	162	130		2700	No	1.15
TS-I800-40	40	190	150		2700	No	1.31
TS-I800-50	50	220	170		2700	No	1.48
TS-I800-65	65	271	206		2700	No	1.58
⁽¹⁾ other strokes under request				⁽²⁾ alternative forces upon request		⁽³⁾ ESK under request	

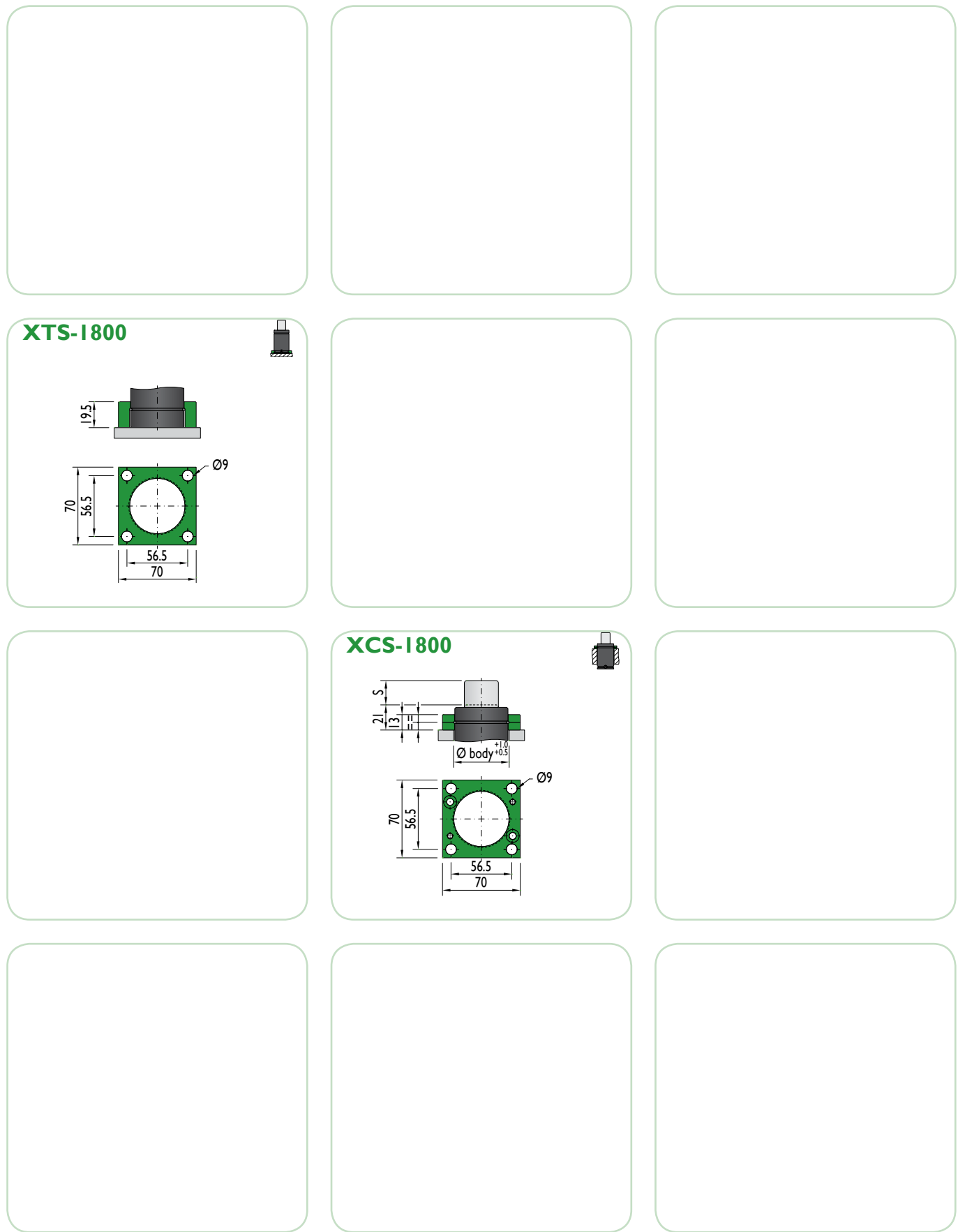


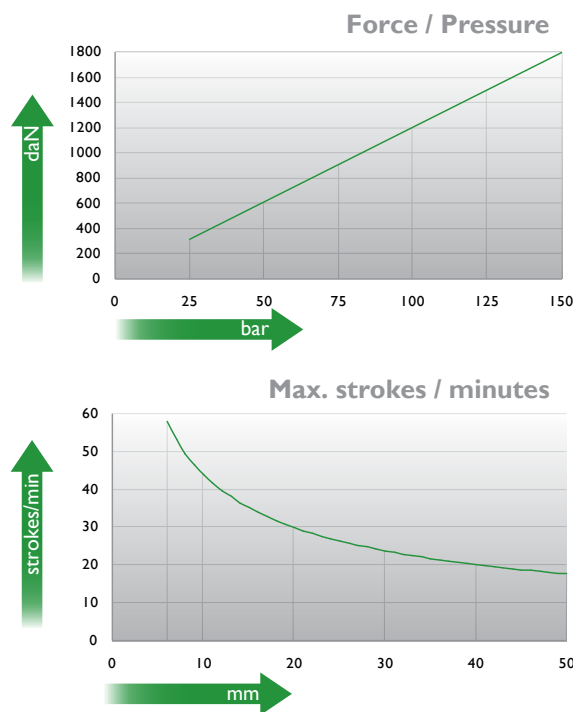
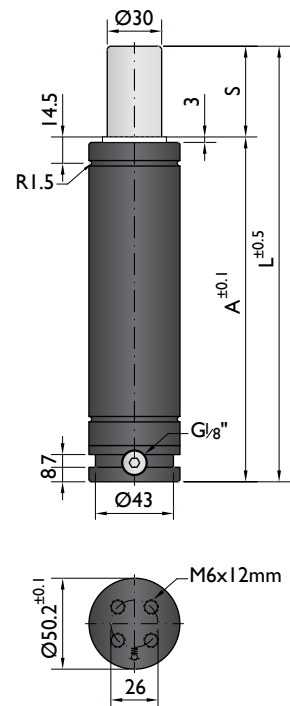
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT TS-I800
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	No

Mounting possibilities



Flanges





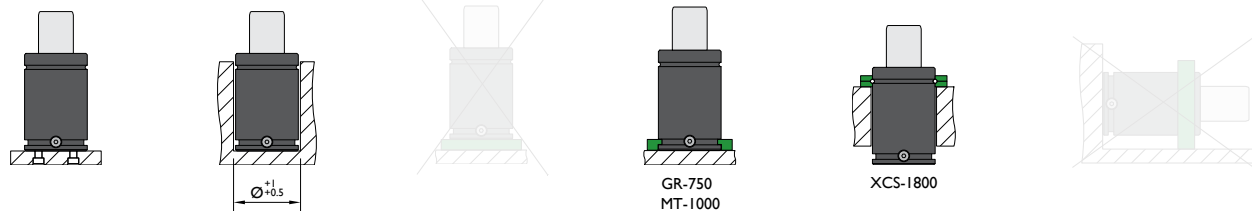
Ordering example: 4 x TSC-I800-65

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN	F daN	⁽³⁾	kg
(20°C, 150 bar)							
TSC-I800-6	6	86	80	1800	2400	No	0.87
TSC-I800-10	10	100	90		2700	No	0.98
TSC-I800-16	16	126	110		2700	No	1.13
TSC-I800-25	25	155	130		2700	No	1.24
TSC-I800-32	32	182	150		2700	No	1.39
TSC-I800-40	40	210	170		2700	No	1.55
TSC-I800-50	50	240	190		2700	No	1.72
TSC-I800-65	65	291	226		2700	No	1.89
⁽¹⁾ other strokes under request				⁽²⁾ alternative forces upon request		⁽³⁾ ESK under request	



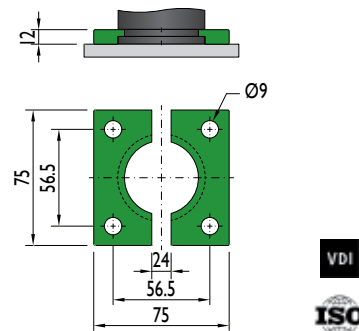
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT TSC-I800
Min. Charging pressure	25 bar	Max. working speed	0.5 m/s	Linkable	G1/8"

Mounting possibilities

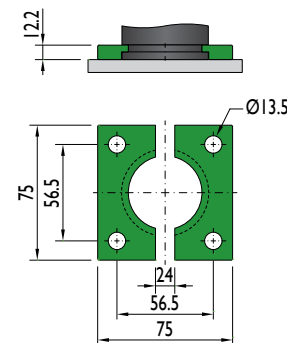


Flanges

GR-750



MT-1000



XCS-1800

